

ABSTRACT

Dry cells are combined in both physical and electrical combination to fabricate a battery. A dry cell strap defined by a solid copper core with a skin or cover of chrome steel bonded to the copper core, is soldered to terminals of adjacent dry cells using induction heat developed by an oscillator/generator operating in the R F frequency range of frequencies. The parts of the dry cell terminal and cell strap which are soldered together are inserted into alignment with the coils of a coil which generates a magnetic field for inducing a heat creating current in the parts aligned with the coils. Virtually immediate temperature elevation throughout the parts in the coil is achieved and soldering is accomplished without applying excess heat to any one part thereof. Heat elevation in the parts to be soldered, is kept to a minimum. The increment of time during which the temperature of the parts is elevated is minimized.